

Seema Rao

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?FILE PLUSPAT

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New Family Legstat & LEGAL Displays; INFO MFAMSTAT & INFO NEWS-PLUSPAT
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Search statement 1

?US5970459/PN

** SS 1: Results 1

Search statement 2

?PRT MAX LEGALALL

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US5970459 A 19991019 [US5970459]
TI - (A) System for synchronization between moving picture and a
text-to-speech converter
PA - (A) KOREA ELECTRONICS TELECOMM (KR)
IN - (A) LEE JUNG CHUL (KR); HAHN MIN SOO (KR); YANG JAE WOO (KR)
AP - US97022497 19971114 [1997US-0970224]
PR - KR9665445 19961213 [1996KR-0065445]
IC - (A) G10L-005/02
EC - G06F-017/30E
- G10L-013/04U
PCL - ORIGINAL (O) : 704276000; CROSS-REFERENCE (X) : 704260000
DT - Corresponding document
CT - US5500919; US5630017; US5657426; US5677739; US5689618
STG - (A) United States patent
AB - A method of formatting and normalizing continuous lip motions to
events in a moving picture besides text in a Text-To-Speech converter
is provided. A synthesized speech is synchronized with a moving
picture by using the method wherein the real speech data and the shape
of a lip in the moving picture are analyzed, and information on the
estimated lip shape and text information are directly used in
generating the synthesized speech.

1/1 LGST - (C) LEGSTAT
PN - US 5970459 [US5970459]
AP - US 970224/97 19971114 [1997US-0970224]
DT - US-P
ACT - 19971114 US/AE-A
APPLICATION DATA (PATENT)
{US 970224/97 19971114 [1997US-0970224]}
- 19991019 US/A

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PATENT
UP - 1999-46

Kimberly Johnson

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LEVEL 1 - 1 OF 1 PATENT

5,970,459

<=2> GET 1st DRAWING SHEET OF 3

Oct. 19, 1999

System for synchronization between moving picture and a
text-to-speech converter

CORE TERMS: lip, processing, synchronization, multi-media, synthesized,
phoneme, duration, moving picture, input, converter...

LEXIS-NEXIS
Library: PATENT
File: ALL

5,970,459 OR 5970459

LEXIS-NEXIS
Library: PATENT
File: CASES

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5,970,459 OR 5970459

LEXIS-NEXIS
Library: PATENT
File: JNLS

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5,970,459 OR 5970459

LEXIS-NEXIS
Library: NEWS
File: CURNWS

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2/39/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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14378488

Basic Patent (No,Kind,Date): DE 19753453 A1 19980618 <No. of Patents: 004

>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
DE 19753453	A1	19980618	DE 19753453	A	19971202 (BASIC)
JP 10171486	A2	19980626	JP 97294278	A	19971027
KR 236974	B1	20000201	KR 9665445	A	19961213
US 5970459	A	19991019	US 970224	A	19971114

Priority Data (No,Kind,Date):

KR 9665445 A 19961213

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 19753453 A1 19980618
SYSTEM ZUM SYNCHRONISIEREN EINES FILMS MIT EINEM TEXT/SPRACHE-UMSETZER;
Film synchronisation system with text or speech converter (German)
Patent Assignee: KOREA ELECTRONICS TELECOMM (KR)
Author (Inventor): YANG JAE WOO (KR); LEE JUNG CHUL (KR); HAHN MIN SOO (KR)
Priority (No,Kind,Date): KR 9665445 A 19961213
Applic (No,Kind,Date): DE 19753453 A 19971202
IPC: * G03B-031/00
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 19753453	P	19961213	DE AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
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DE 19753453	P	19971202	KR 9665445 A 19961213 DE AE DOMESTIC APPLICATION (PATENT APPLICATION) (INLANDSANMELDUNG (PATENTANMELDUNG))
DE 19753453	P	19980618	DE A1 DE 19753453 A 19971202 LAYING OPEN FOR PUBLIC INSPECTION (OFFENLEGUNG)
DE 19753453	P	19980618	DE OP8 REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW (PRUEFUNGSANTRAG GEM. PAR. 44 PATG. IST GESTELLT)

JAPAN (JP)

Patent (No,Kind,Date): JP 10171486 A2 19980626
MOVING PICTURE AND SYNCHRONIZING SYSTEM BETWEEN TEXT AND VOICE CONVERTER (English)
Patent Assignee: KOREA ELECTRON TELECOMM
Author (Inventor): RYO ZAIU; RI SEITETSU; KAN BINSHU
Priority (No,Kind,Date): KR 9665445 A 19961213
Applic (No,Kind,Date): JP 97294278 A 19971027
IPC: * G10L-003/00; G10L-005/02; G06F-017/28
Language of Document: Japanese

KOREA, REPUBLIC (KR)

Patent (No,Kind,Date): KR 236974 B1 20000201
SYNC. SYSTEM BETWEEN MOTION PICTURE AND TEXT/VOICE CONVERTER (English)
Patent Assignee: KOREA ELECTRONICS TELECOMM (KR)
Author (Inventor): YANG JAE-WOO (KR); LEE JUNG-CHOL (KR); HAN MIN-SOO (KR)
Priority (No,Kind,Date): KR 9665445 A 19961213
Applic (No,Kind,Date): KR 9665445 A 19961213
IPC: * G11B-020/04
Language of Document: Korean

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5970459 A 19991019
SYSTEM FOR SYNCHRONIZATION BETWEEN MOVING PICTURE AND A TEXT-TO-SPEECH
CONVERTER (English)
Patent Assignee: KOREA ELECTRONICS TELECOMM (KR)
Author (Inventor): YANG JAE WOO (KR); LEE JUNG CHUL (KR); HAHN MIN
SOO (KR)
Priority (No,Kind,Date): KR 9665445 A 19961213
Applc (No,Kind,Date): US 970224 A 19971114
National Class: * 704276000; 704260000
IPC: * G10L-005/02
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 5970459 P 19961213 US AA PRIORITY (PATENT)
KR 9665445 A 19961213
US 5970459 P 19971114 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 970224 A 19971114
US 5970459 P 19991019 US A PATENT